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- 1. A composition comprising CoQ10 and a pharmaceutically acceptable carrier.
- 2. The composition of claim 1, wherein the composition comprises: Coenzyme Q10, phospholipon 90, glycerol, butylated hydroxytoluene (BHT), ethanol, medium chain triglycerides (MCT) and lavender.
 - 3. The composition of claim 2, wherein the phospholipon 90 is phospholipon 90G.
 - 4. The composition of claim 2, wherein the phospholipon 90 is phospholipon 90H.
- 5. The composition of claim 2, wherein the composition further comprises phospholipon 90G and phospholipon 90H.
- 6. The composition of claim 1, wherein the composition comprises between about 1% to about 25% (w/w) of Coenzyme Q10.
- 7. The composition of claim 1, wherein the composition comprises between about 1% to about 20% (w/w) of Coenzyme Q10.
 - 8. A method of treating a cancer patient, comprising:
 administering to a patient in need thereof, a composition comprising a therapeutically
 effective amount of Coenzyme Q10;
 contacting a tumor cell with the composition resulting in the lysis of the tumor cell;
 thereby treating the cancer patient.
- 9. The method of claim 8, wherein the composition comprises about 1% up to 25% w/w of Coenzyme Q10.
- 10. The method of claim 8, wherein the composition comprises about 1% to about 20% w/w of Coenzyme Q10.

11. The method of claim 8, wherein the composition comprising the Coenzyme Q10 is formulated as a topical cream.

- 12. The method of claim 8, wherein a therapeutic effective amount of the Coenzyme Q10 composition is administered with one or more chemotherapeutic agents.
- 13. The method of claim 12, wherein the chemotherapeutic agent can be coadministered, precede, or administered after the composition comprising a therapeutic effective amount of Coenzyme Q10.
- 14. The method of claim 12, wherein the chemotherapeutic agent is selected from the group consisting of cyclophosphamide (CTX, 25 mg/kg/day, p.o.), taxanes (paclitaxel or docetaxel), busulfan, cisplatin, cyclophosphamide, methotrexate, daunorubicin, doxorubicin, melphalan, cladribine, vincristine, vinblastine, and chlorambucil.
- 15. The method of claim 8, wherein treatment results in inhibition of tumor cell growth.
- 16. A method for inhibiting tumor cell growth in a subject, the method comprising administering to the subject a pharmaceutical composition comprising CoQ10.
- 17. The method of claim 16, wherein the pharmaceutical composition comprises between about 1% and 25% w/w of coenzyme Q10.
- 18. The method of claim 16, wherein the pharmaceutical composition comprises about 1% up to 25% w/w of Coenzyme Q10.
- 19. The method of claim 16, wherein the pharmaceutical composition comprises about 1% to about 20% w/w of Coenzyme Q10.

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20. A method of inducing apoptosis in a tumor cell, the method comprising administering a pharmaceutical composition comprising coenzyme Q10.

- 21. The method of claim 20, wherein the pharmaceutical composition comprises about 1% up to 25% w/w of Coenzyme Q10.
- 22. The method of claim 20, wherein the pharmaceutical composition comprises about 1% to about 20% w/w of Coenzyme Q10.
- 23. The method of claim 20, wherein the pharmaceutical composition induces apoptosis in at least about 30% of tumor cells as measured by mitochondrial membrane dye assay and/or Annexin-VPE assay.
- 24. The method of claim 20, wherein the pharmaceutical composition induces apoptosis in about 50% of tumor cells as measured by mitochondrial membrane dye assay and/or Annexin-VPE assay.
- 25. The method of claim 20, wherein the pharmaceutical composition induces apoptosis in about 60% of tumor cells as measured by mitochondrial membrane dye assay and/or Annexin-VPE assay.
- 26. The method of claim 20, wherein the pharmaceutical composition induces apoptosis in about 75% of tumor cells as measured by mitochondrial membrane dye assay and/or Annexin-VPE assay.
- 27. The method of claim 20, wherein the pharmaceutical composition induces apoptosis in about 90% of tumor cells as measured by mitochondrial membrane dye assay and/or Annexin-VPE assay.

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29. The method of claim 20, wherein the pharmaceutical composition induces apoptosis in about 99.9% of tumor cells as measured by mitochondrial membrane dye assay and/or Annexin-VPE assay.

- 30. A method of inhibiting angiogenesis in a turnor, the method comprising contacting a tumor with a pharmaceutical composition comprising coenzyme Q10.
- 31. The method of claim 30, wherein the pharmaceutical composition comprises about 1% up to 25% w/w of Coenzyme Q10.
- 32. The method of claim 30, wherein the pharmaceutical composition comprises about 1% to about 20% w/w of Coenzyme Q10.
 - 33. A kit comprising:

 Coenzyme Q10,

 phospholipon 90,

 glycerol,

 butylated hydroxytoluene (BHT),

 ethanol,

 medium chain triglycerides (MCT), and
 lavender.
 - 34. The kit of claim 33, wherein the phospholip on 90 is phospholipon 90G.
 - 35. The kit of claim 34, wherein the phospholip on 90 is phospholipon 90H.
- 36. The kit of claim 33, wherein the phospholip on 90 is phospholipon 90G and phospholipon 90H.
- 37. The kit of claim 33, wherein the Coenzyme Q10 is provided between about 1% to about 30% (w/w).